

Care of Pastures Insures Good Feed

Rotation of Crops in Two Fields Solution of Problem.

Early, continuous, and close grazing has made almost unnumbered acres of so-called "permanent pasture" into exercising grounds where animals scarcely get a mouthful of grass. A profitable pasture is not one on which an animal must hunt 24 hours a day for subsistence, but one where the animal can fill up on grass in a short time and then lie down to make meat or milk.

When the first warm days of spring come, the winter supply of feed is apt to be low, so thousands of farm animals are turned onto permanent pastures and the result is damaged, often ruined, pastures for the entire grazing season.

Keeping five stock off the permanent pasture for two weeks in the spring to allow the grass to get ahead of the animals and then allowing it to keep ahead will double the yield of permanent pasture.

First—Permanent pasture should be made to grow before turning the stock onto it in the spring.

Second—Sow grass seed on bare spots and topdress the spots lightly with manure.

Never graze permanent pasture down to bare ground. Allow the grass to have considerable leaf surface, which is absolutely essential to the life of plants.

Fourth—Provide temporary pasture for early spring and mid-summer.

Fifth—Line and fertilize to replace plant food taken off by live stock through many years. This application of it costs about \$4.00 in increased pasture for every dollar invested.

The Pennsylvania Experiment station experimented with an old, neglected permanent pasture quite similar to many the country over.

The part that received no lime or fertilizer required four acres to maintain one cow on full grass feed throughout the summer. The part that was limed and fertilized required a little less than one acre to maintain a cow.

The return per acre the first year, was four times the cost of the lime and fertilizer and five times greater than the return per acre from the unfertilized portion.

Have two plots, totaling about one acre for each 1,000 pounds of live stock to be pastured.

On plot No. 1, sow a mixture of oats and barley in early spring as soon as the ground can be worked. This plot should be ready for grazing in about one month and should last until July. Then plow or disk this oats and barley plot and sow it to winter cereals grazing in late fall and early spring the next year.

The following spring when the rye becomes too woody for good pasture, plow the plot and sow it to winter grass for summer and fall grazing. Plow the sodden stubble in late fall after the grazing season and have it ready to seed to oats and barley plot and sow it to winter cereals grazing in late fall and early spring the next year.

Big-Team Outfit Cuts Power Costs

Expenses Reduced by Using Less Grain, More Pasture and Roughage.

By E. T. ROBINSON, Live Stock Specialist
Times-Argonaut, Lynchburg, Va.

By combining from five to twelve horses under the management of one driver, farmers operating big team outfits obtain low cost power ranging from 6.4 cents to 11.5 cents for each work hour.

On ordinary horse farms, a work horse hour cost 18 per cent more and on tractor farms 27 per cent more than on big team farms, based on a survey of horse farms and tractor farms in the corn belt.

The big team operators worked the largest horses and milks and averaged the greatest number of days of work a head in a year, yet they chippeded their horses out for less than 10 per cent more than more pasture, because hay, straw and cornmeal. They turned their work stock out on pasture at night and on idle days in summer, and in winter used become hay to balance stalk, silage, and straw stacks to make satisfactory maintenance for horses.

In farms studied in the survey, average amounts fed to a work horse a year were about 3,500 pounds of grain, mostly corn and oats, and 5,000 pounds of dry roughage, including considerable straw and corn stover. In addition, the horses grazed about six months on grass and stalk fields.

Green Strip Plan Halts
Loss of Valuable Soil

Some crops are enemies of soil erosion and other crops are allies. Some crops protect and bind the soil and others induce soil losses.

According to the Soil Conservation Service nearly all forage crops—such as alfalfa, the clovers, sudan grass, and lespedeza—check soil washing and blowing much more effectively than such cash crops as corn, cotton, tobacco and potatoes.

The Soil Conservation Service is recommending strip cropping to thousands of farmers co-operating in its 141 demonstration areas throughout the country. Strip cropping means planting strips of close-growing, soil-protecting crops on the contour between strips of clean-cultivated, soil-depleting crops.

Each close-growing strip checks the speed of water running down the slope. The strips of protecting crops catch the soil and washes away from clean-cultivated strips. Combined with terracing and terrace outlet drainage ways, strip cropping provides the best protection against cropland erosion in many regions.

Strip cropping also is effective in reducing wind erosion. Close-growing crops break the force of the wind, hold up topsoil and conserve moisture in the soil.

Strip cropping is comparatively new in erosion-control procedure, but is being used on nearly all demonstration projects in 14 states.

Two Tons of Roots
Alfalfa improves soil conditions very rapidly because of its long root system which penetrates much more deeply than any other legume. Alfalfa roots remaining in the soil increase the humus content and add supplies of nitrogen and other plant foods.

The roots serve to improve the physical properties of the soil. This improvement is particularly noticeable on heavy soil. The penetration of the roots into the soil penetrates the entrance of air and water. Dr. C. J. Willard of the Ohio State University found that alfalfa roots in six feet of soil were two tons. A good crop of alfalfa will leave 125 pounds of nitrogen, 25 pounds of phosphoric acid and 40 pounds of potash in the soil. This is about twice the amount of plant nutrients that are contained in a ton of ordinary fertilizer. It is twice as much plant food as red or blue clover leaves in the soil and ten times as much as is deposited in the soil by a crop of soy beans.

GOVERNOR ALF. M. LANDON

Oakville News

Oakville, July 22.—Note: Those having news to be published in this column, please get in touch with Mrs. E. B. Comer by Mondays.

Those visiting in Oakville last week were Mr. and Mrs. H. B. Martin and daughter, Mr. and Mrs. Earl Marsh and son, Sunday with Mr. and Mrs. Ed Marsh.

Mr. and Mrs. E. B. Martin and Miss Gladys, Lloyd, Ruby, and Helen Martin motored over the Skyline Drive recently.

Mr. R. E. Smith and daughter have returned home after being called to Lynchburg on account of the illness and death of Mr. J. W. Scott Jr. Those attending his funeral were Mr. and Mrs. Clarence Moore, Mrs. Irene Rogers and Terry, C. H. and Taylor Coleman, Mrs. Ruth Martin and E. J. Martin in family.

Mr. and Mrs. Bernard spent Sunday at the home of Mr. and Mrs. T. M. Martin.

Mr. and Mrs. Otto Martin and family spent the day Sunday with Mr. and Mrs. H. R. Moore.

Mr. and Mrs. S. M. Martin spent Sunday with Mrs. Sue Moore near Riverview.

Coleman Moore and Floyd Hamilton spent sometime with relatives in Pamplin recently.

Mr. and Mrs. Wiley Moore and Herman Harding, and Mrs. Charlie Oash in Madison Heights.

Frances Hamilton celebrated her sixteenth birthday last Wednesday. Mrs. E. B. Martin and daughter.

Topka, Kansas, is expecting over 50,000 today to hear Governor Alf M. Landon, pictured above, accept the Republican nomination for the presidency. Meanwhile President Roosevelt is on a vacation cruise off New England.

Mr. and Mrs. J. A. Garrett and mother, Mrs. Farmer, and Mrs. J. H. Ranson attended a quilting in the home of Mrs. A. T. Anderson Thursday.

Mrs. Sherman Garlinghouse spent Wednesday night with her son, Callie Phillips of Keyville, and attended the funeral of her brother-in-law, William Rogers on Thursday. He was killed by a train on Wednesday.

Mr. and Mrs. J. A. Garrett and family motored to Lynchburg last Saturday.

Good Laxative in your home

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For the necessities of home life, a good laxative is a necessity. You need a laxative that is safe, effective, and pleasant to take. You need a laxative that is safe, effective, and pleasant to take.

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Added Wear

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to your clothes if you use our cleaning service regularly. Good cleaning and pressing restores color and prolongs the life of a fabric.

Crutchfield's Cleaners and Dyers Lynchburg, Virginia

Mr. and Mrs. Forest Meade, and daughter, Nancy Lee, were dinner guests in the home of Thelen Paultette Friday.

Mrs. Ella Pugh, Alice and Clarence Pugh visited in the home of Mrs. Walter Hunter Sunday.

John Hunter, of East Gulf, W. Va., has been visiting his parents, Mr. and Mrs. J. H. Ranson, in North Carolina.

Townsend's convention ends in Cleveland.

American Olympic team arrives in Europe.

Yankees continue to pile up lead in American League.

Landon notification ceremonies to be held this week.

Next time you suffer from Gas on Stomach, Headache, Sour Stomach, a Cold, Muscular, Rheumatic, Sciatic or Periodic Pains, That Tired Feeling, That "Morning After" Feeling. Get a glass of water and drop in one or two tablets of

Alka-Seltzer

The New Pain-Relieving, Alkalizing, Effervescent Tablet. Watch it bubble up, then drink it. You will be amazed at the almost instant relief.

It is called Alka-Seltzer because it makes a sparkling alkaline drink, and as it contains an analgesic (Acetyl-Salicylate) it relieves the pain of every-day ailments and then by restoring the alkaline balance corrects the cause when due to excess acid.

After trying many brands of medicine—no relief for gas, and all of them a failure—give up hope. By chance I tried Alka-Seltzer—I am more than satisfied. Get your dose now. New York, N. Y.

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* FOLLOW the lead of big tire users who buy only on proof of performance.

Last year Greyhound buses traveled 138,000,000 miles from Coast to Coast and from Canada to the Gulf across deserts and over winding mountain roads.

They have won the National Safety Council's highest award in inter-city bus operation for the past four years. This is indeed a tribute to careful driving, efficient equipment and the reserve safety of Firestone Tires made possible by the Firestone Patent Process of Gum-Dipping which prevents internal friction and heat.

Firestone Gum-Dipped Tires run up to 28° cooler and give greatest blowout protection—the scientifically designed non-skid tread will stop your car up to 25% quicker and give you 50% longer non-skid mileage.

Take no chances! Buy your tires on proof of performance. Let us equip your car today with Firestone Gum-Dipped Tires, the Masterpiece of Tire Construction!

Visit the Firestone Exhibits at the Great Lakes Exposition in Cleveland and the Texas Centennial in Dallas.

FOR 25% LONGER TIRE MILEAGE EQUIP YOUR CAR WITH Firestone SEALTITE TUBES

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